

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (previously presented) A processable rubber composition comprising a cured fluorocarbon elastomer dispersed in a matrix comprising a thermoplastic material, wherein:
the thermoplastic material comprises a fully fluorinated melt-processable thermoplastic polymer and a partially fluorinated melt-processable thermoplastic polymer; and
the cured fluorocarbon elastomer is present at a level of greater than or equal to 35% by weight based on the total weight of cured fluorocarbon elastomer and thermoplastic material.
2. (original) A composition according to Claim 1, wherein the cured fluorocarbon elastomer is present at a level of greater than or equal to 50% by weight.
3. (original) A composition according to Claim 1, wherein the composition exhibits a single melting temperature of less than 305°C.
4. (original) A composition according to Claim 3, wherein the composition exhibits a single melting temperature of less than 290°C.

5. (original) A composition according to Claim 4, wherein the composition exhibits a single melting temperature of less than 250°C.
6. (original) A composition according to Claim 1, wherein the thermoplastic material comprises more than 60 wt % fluorine.
7. (original) A composition according to Claim 1, wherein the thermoplastic material comprises 10-90% by weight of the fully fluorinated polymer.
8. (original) A composition according to Claim 1, wherein the ratio of the weight of the fully fluorinated polymer to the weight of the partially fluorinated polymer in the matrix ranges from 1:9 to 9:1.
9. (original) A composition according to Claim 8, wherein the ratio of the weight of the fully fluorinated polymer to the weight of the partially fluorinated polymer in the matrix ranges from 1:2 to 2:1.
10. (original) A method according to Claim 1, wherein the fluorocarbon elastomer comprises repeating units derived from vinylidene fluoride and hexafluoropropylene.
11. (original) A method according to Claim 10, wherein the fluorocarbon elastomer further comprises repeating units derived from tetrafluoroethylene.

12. (previously presented) A composition according to Claim 1, wherein the fluorocarbon elastomer is selected from the group consisting of: VDF/HFP, VDF/HFP/TFE, VDF/PFVE/TFE, TFE/Pr, TFE/Pr/VDF, TFE/Et/PFVE/VDF, TFE/Et/PFVE, TFE/PFVE, and mixtures thereof.

13. (previously presented) A composition according to Claim 12, wherein the fluorocarbon elastomer also comprises cure site monomers.

14. (previously presented) A composition according to Claim 1, wherein the thermoplastic material comprises a fully fluorinated polymer selected from the group consisting of PFA, MFA and FEP, and a partially fluorinated polymer selected from the group consisting of polyvinylidene fluoride and copolymers of vinylidene fluoride.

15- 84. (cancelled)